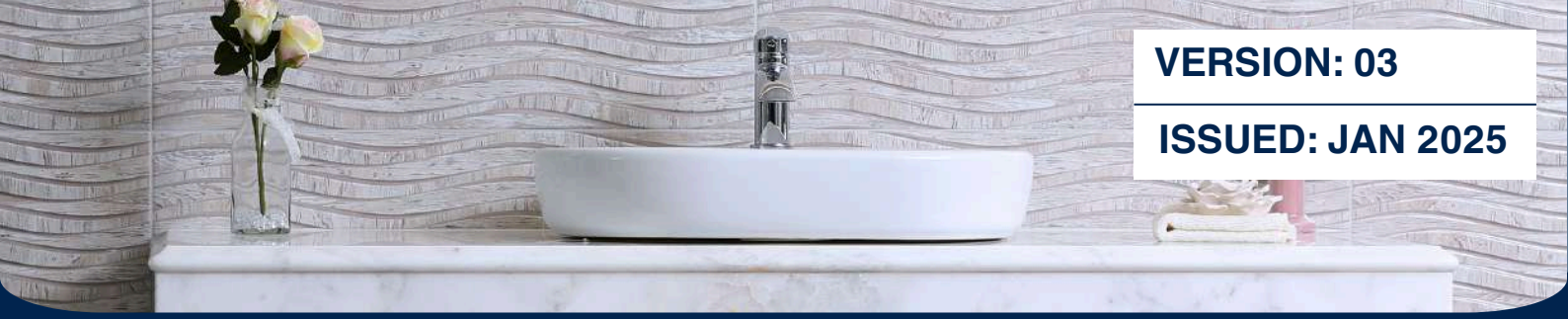


VERSION: 03

ISSUED: JAN 2025

LARSEN

TILING

TECHNICAL DATA SHEET

FIBERFLEX™ Rapid Set

POLYMER MODIFIED

GROUT AFTER 3 HOURS

BS EN 12004 TYPE C2FT

WHITE AND GREY



Larsen FIBERFLEX™ Professional Rapid Set is a specially formulated, flexible, non-slip, fast setting, cement based adhesive. It is suitable for beds of 3 – 12mm, interior, exterior, floor and wall applications. FIBERFLEX™ Professional Rapid Set is suitable for fixing ceramic, porcelain, large format, natural stone and mosaic tiles to a variety of substrates including heated screeds and overboarded timber.

British Association Landscape Industries ACCREDITED

RIBA CPD Providers Network

The Tile Association

NBS Source PARTNER

National Tiling Association of Ireland Ltd

Interpave The Precast Concrete Paving and Kerb Association

For further information, consult our Technical Department.

Belfast **028 9077 4000** Birmingham **028 9053 5409** Dublin **01 8348255**

LarsenBuildingProducts.com

TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Powder
COLOUR	White or Grey
HAZARD INFORMATION	IRRITANT – Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set
PACKAGING	20kg multiwall, sealed paper sacks
SHELF LIFE	6 months in unopened manufacturer's packaging
STORAGE INSTRUCTIONS	Store in sealed containers in dry conditions, protected from extremes of temperature

APPLICATION INFORMATION

MIXED PROPORTIONS	Mix 20 kg powder with approx. 4.5 L water
POT LIFE	Approx. 45 minutes @20°C
APPLICATION TEMPERATURE	+5°C to +30°CA
BED THICKNESS	3- 6 mm (up to 12 mm in small isolated areas)
TIME TO TRAFFIC	Grout after 3 hours Light Foot Traffic after 3 hours Full Traffic after 6 hours (depending on site conditions)
COVERAGE	Approx 4 kg/m2 @ 3 mm bed

PERFORMANCE INFORMATION

TENSILE ADHESION STRENGTH	≥1 MPa under all test conditions
SLIP:	≤0.5 mm
CLASSIFICATION:	EN12004 Type C2 F T

DIRECTIONS FOR USE

PREPARATION

General All substrates must be suitably dry and comply with the recommendations in the British Standards and TTA Guidance documents. All substrates should be clean and thoroughly sound; they should be free from standing water, oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion.

Gypsum Based Screeds Gypsum based screeds require mechanical preparation by buffing, vacuuming etc. The screed must be tested to ensure it is dry (less than 0.5% moisture content measured by CM). All gypsum based screeds should be primed as follows: first coat Acrylic Primer diluted 1:1 with water and allowed to dry; second coat Acrylic Primer applied neat and allowed to dry fully. If particularly absorbent, subsequent coats may be required.

Gypsum Plaster Gypsum plaster on walls is suitable for a weight of tiles and adhesive of up to 20kg/m2. Plaster should not be dusty or overly polished and should be primed with Larsen Acrylic Primer.

Underfloor Heating New heating systems must have been trialled at a high temperature for a period of at least 48 hours in advance of tiling. Ensure the heating is turned off at least 48 hours before any tiling work is carried out and not turned on until at least 7days after the work has been completed. Heating should be turned on at the lowest setting and the temperature increased by no more than 5°C per 24 hours. Particular attention should be given to ensure there is adequate provision for movement joints in the tiling.

Timber Substrates Timber substrates must be sufficiently rigid and supported to be free from excessive deflection under expected loads. Ensure adequate ventilation exists beneath the floor. Ensure all new wood (including joists) is 'dry' and conditioned. The floor should be designed to accommodate both seasonal changes in moisture and the changes caused by step changes in heating. Extra joists/noggins should be added to strengthen the floor as required. In wet areas timber substrates must be suitably tanked. Plywood on walls is suitable for a weight of tiles and adhesive of up to 32kg/m2. On floors, existing floorboards should be overboarded. Plywood used for overboarding must be at least 15mm thick exterior grade. Boards should be free from any wax or other coating which may impair bond. Ensure surface is free from contamination and that the backs and edges of all boards are sealed against moisture ingress. Boards should be laid broken-bonded with the long edges running at right angles to the joints between the existing boards and screwed to joists and existing boards at 300mm centres. **NOTE** Plywood and other wood-based sheets or boards should not be used for direct tiling. For tiling onto plywood and other wood-based sheets or boards, an intermediate layer, such as an uncoupling membrane, reinforced tanking system or tile backerboard should be used, as per BS5385 part3 2024.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied in accordance with current best practice, national standards, and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

DIRECTIONS FOR USE (continued)

Movement Joints It is important to ensure that there is adequate provision of movement joints in all wall and floor tiling, It is recommended to follow the guidance provided in BS 5385 and by the Tile Association and proprietary joint manufacturers. Ideally, movement joints should be detailed by the designer at the outset. For further information or for situations which are not covered above, consult our website or contact our Technical Dept.

PRIMING

Larsen Acrylic Primer should be used to prime surfaces when required. On porous substrates, dilute 1:1 with clean water and allow to dry before applying adhesive. On impervious substrates, apply primer neat and allow to dry. Tiling should be carried out when the primer has dried clear but remains tacky.

MIXING

The adhesive should be added to clean water (approx. 4.5L water/20kg) adhesive and mixed with a suitable forced action mixer or slow speed drill and paddle until a slump free mortar is produced. The mixed adhesive is usable for up to 45 minutes depending on site temperature and conditions. Do not attempt to remix adhesive or add extra water after it has begun to stiffen as this will cause a loss in performance.

APPLICATION

The mixed adhesive should be applied to dry areas on walls using a suitable notched trowel and applied by solid bed on wet areas on walls, on all exterior tiling and on all floor tiling. In addition, when fitting large format tiles it is highly recommended to also fully skim the back of the tile with a thin layer of adhesive. Tiles should be placed with a firm twisting action before the adhesive has skinned over, i.e. within the open time. Regularly check to ensure adequate contact between adhesive, tile and substrate. ‘Dot and Dab’ method of fixing is not suitable.

GROUTING

Only grout when the tile adhesive has set. Typically this is within 18 hours for standard setting adhesives and within 3 hours for fast setting adhesives.

RESTRICTIONS

‘Dot and Dab’ method of fixing is not suitable. Tiles should not be fixed to wooden substrates externally or in wet areas. Excessive deflection/movement resulting from incorrect preparation will result in cracking of tiles and/or debonding. Floating Timber and Laminate floors are not recommended substrates for direct fixing of rigid floor finishes. Pale coloured marble/porcelain can be translucent and dark coloured adhesive can sometimes show through. If in doubt we would always recommend tiling a small trial area using a white adhesive and back buttering the tiles to ensure a uniform adhesive coverage. Cement-based products will take longer to harden and set at lower temperatures, and should not be used below 5°C. All tiling should be carried to current best practice, including British Standards and TTA Guidance documents.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied in accordance with current best practice, national standards, and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product’s suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.